

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 13 (Cancelled).

14. (Currently Amended) An apparatus for determining and/or monitoring the fill level, density and/or viscosity of a medium in a container ~~or the volume and/or mass flow of a fluid in a pipe, having~~, comprising:

at least one oscillatable unit which produces, and/or receives, mechanical oscillations;

at least one tuning unit whose stiffness is variable and which is embodied in such a manner and connected in such a manner with said oscillatable unit, or is a component of said oscillatable unit in such a manner, that at least the resonance frequency of said oscillatable unit is changeable via said at least one tuning unit; and

at least one inner oscillatory rod and an outer oscillatory rod provided in said oscillatable unit, wherein:

said outer oscillatory rod surrounds said inner oscillatory rod coaxially;

said outer oscillatory rod and said inner oscillatory rod are coupled together; and

said at least one tuning unit is coupled at least with one of said oscillatory rods.

15. (Previously presented) The apparatus as claimed in claim 14, wherein:

said tuning unit comprises a piezoelectric material, which is connected with electrodes and whose stiffness is changeable at least by an electric current

between the electrodes.

16. (Previously presented) The apparatus as claimed in claim 14, wherein:

said tuning unit comprises a magnetostrictive material whose stiffness is changeable at least by an applied magnetic field.

17. (Previously presented) The apparatus as claimed in claim 14, further comprising:

a control unit which controls said tuning unit electrically.

18. (Previously presented) The apparatus as claimed in claim 17, wherein:

said control unit is embodied in such a manner that it tunes the resonance frequency of said oscillatable unit as a function of the oscillation amplitude and/or oscillation frequency of the mechanical oscillations produced and/or received by said oscillatable unit.

Claim 19 (Cancelled).

20. (Previously presented) The apparatus as claimed in claim 14, wherein:

said tuning unit is connected at least with said inner oscillatory rod.

Claims 21 - 26 (Cancelled).